

### Abstract of the Disclosure

A masonry anchor system is disclosed for anchoring two spaced apart masonry walls together to form a single wall structure. The masonry anchor system includes a ladder or truss type support frame for positioning on top of a mortar joint in one wall, and a connecting bracket having a pair of elongate arms connected by a cross-member affixed to the support frame. The cross-member is curved to provide two spaced apart points on the cross-member for contacting the support frame and affixing the cross-member thereto. The elongate arms extend transversely from the support frame and are sized to extend into the space between the two walls. Each of the arms have an eye portion formed at the end opposite the cross-member to receive a connecting member connected to the second wall. The support frame and the bracket reside in the same horizontal plane.